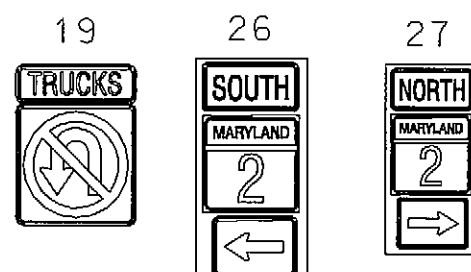
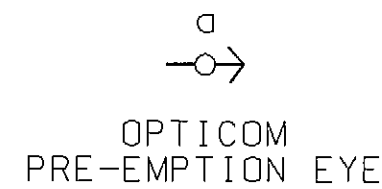


MD 2 IS ASSUMED TO RUN
IN NORTH-SOUTH DIRECTION

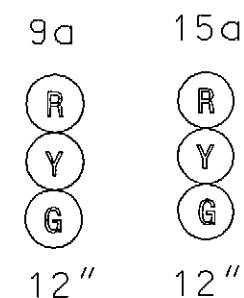
EXISTING SIGNS TO REMAIN



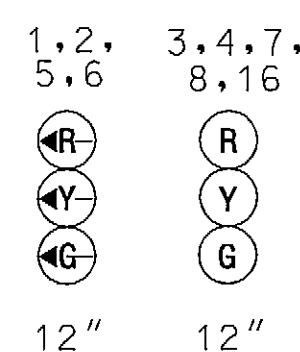
EXISTING DETECTION EQUIPMENT
TO REMAIN



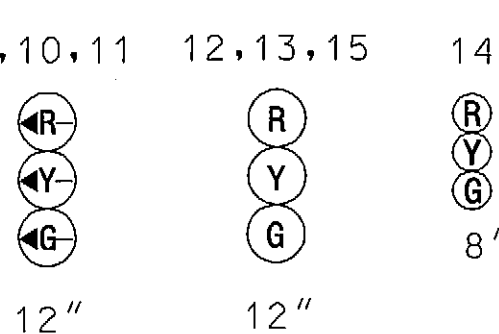
EXISTING SIGNALS
TO REMOVE



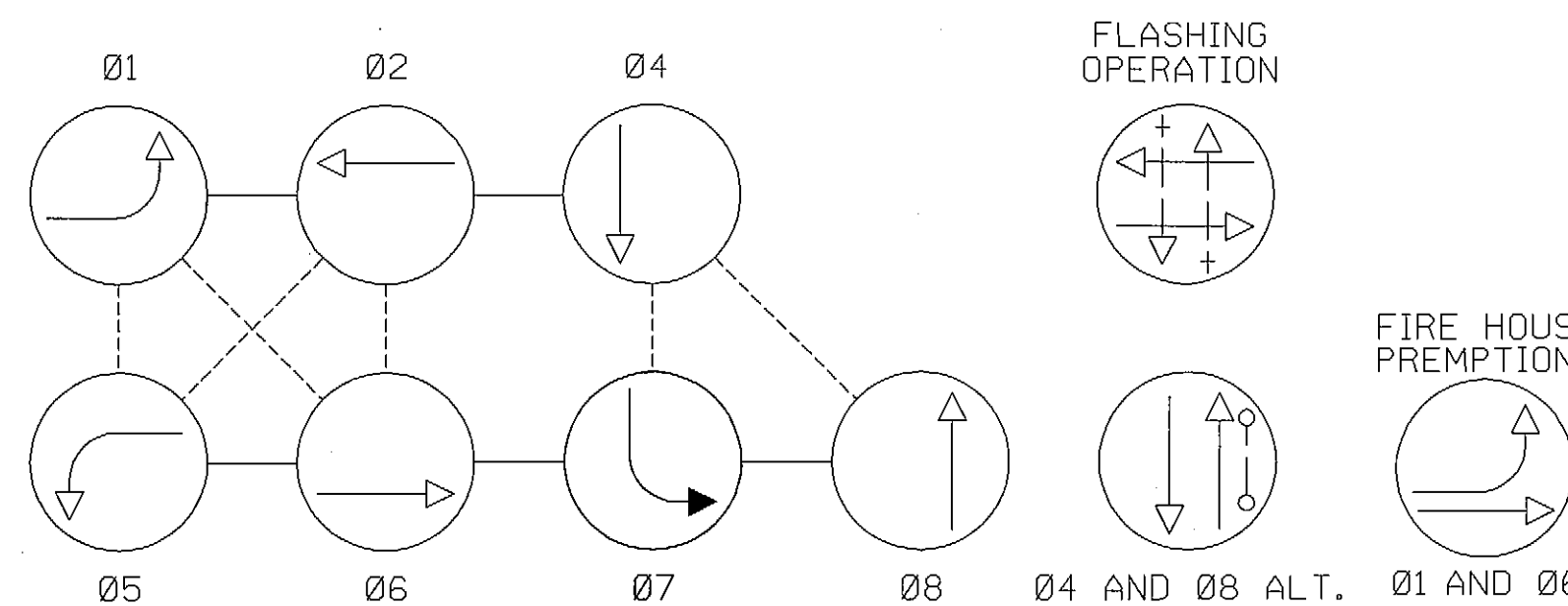
PROPOSED LED
SIGNAL MODULES



PROPOSED LED SIGNALS

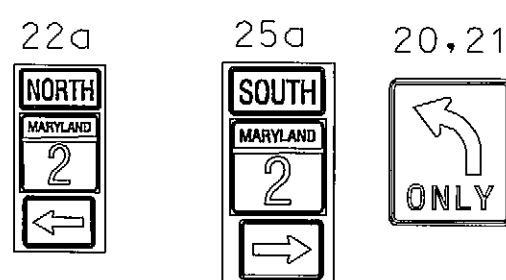


NEMA PHASING

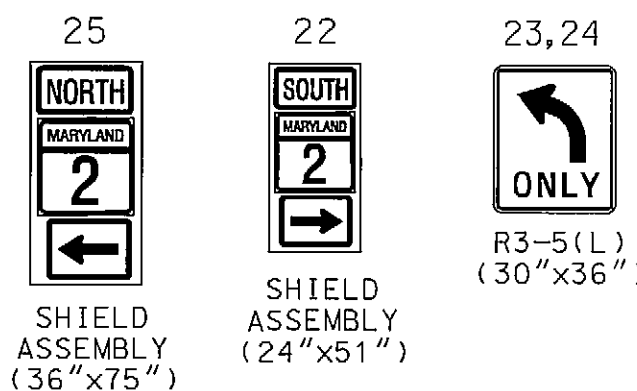


NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

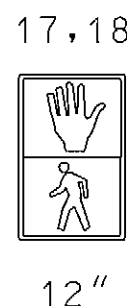
EXISTING SIGNS TO REMOVE



PROPOSED SIGNS

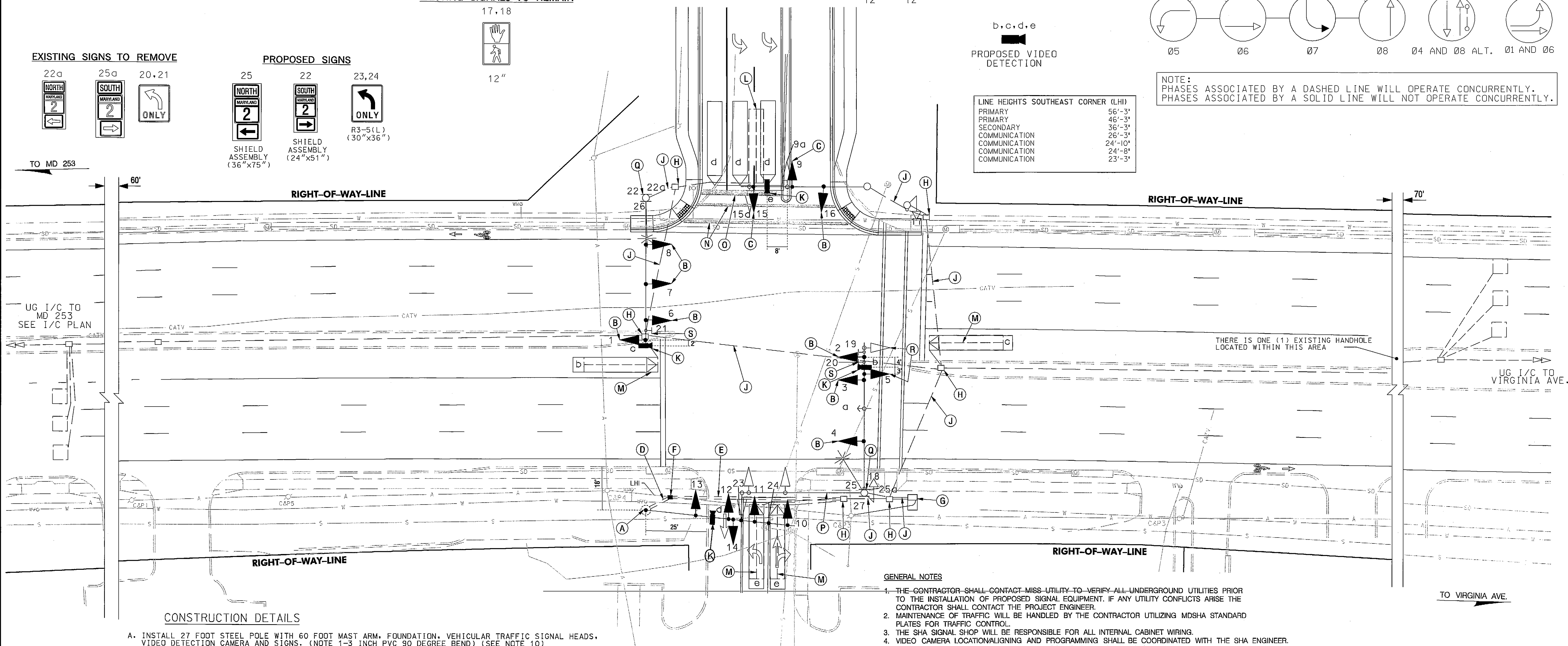


EXISTING SIGNALS TO REMAIN



b, c, d, e
PROPOSED VIDEO
DETECTION

LINE HEIGHTS SOUTHEAST CORNER (LHI)	
PRIMARY	56'-3"
PRIMARY	46'-3"
SECONDARY	36'-3"
COMMUNICATION	26'-3"
COMMUNICATION	24'-10"
COMMUNICATION	24'-8"
COMMUNICATION	23'-3"



CONSTRUCTION DETAILS

- INSTALL 27 FOOT STEEL POLE WITH 60 FOOT MAST ARM, FOUNDATION, VEHICULAR TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGNS. (NOTE 1-3 INCH PVC 90 DEGREE BEND) (SEE NOTE 10)
- INSTALL LED MODULE IN EXISTING TRAFFIC SIGNAL HEAD
- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW VEHICULAR TRAFFIC SIGNAL HEAD
- INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- INSTALL ELECTRICAL HANDHOLE
- USE EXISTING GROUND MOUNTED CABINET AND CONTROLLER
- USE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- INSTALL VIDEO DETECTION CAMERA ON EXISTING TRAFFIC SIGNAL STRUCTURE (INSTALL CONTROL CABLE)
- LOOP DETECTOR TO BE REMOVED BY RESURFACING
- LOOP DETECTOR TO BE ABANDONED
- INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (FOR CROSSWALK)
- INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (FOR STOPLINE)
- REMOVE EXISTING MAST ARM AND VEHICULAR TRAFFIC SIGNAL HEADS (CAP EXISTING MAST ARM FLANGE)
- REMOVE EXISTING POLE MOUNTED SIGN AND INSTALL NEW POLE MOUNTED SIGN
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD AND INSTALL LED MODULE IN EXISTING TRAFFIC SIGNAL HEAD
- REMOVE OVERHEAD SIGN

GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT MISS-UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
- THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- VIDEO CAMERA LOCATION/ALIGNING AND PROGRAMMING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- ALL GEOMETRIC MODIFICATIONS WILL BE CONSTRUCTED BY OTHERS.
- THE CONTRACTOR SHALL REMOVE ALL ABANDONED ELECTRICAL CABLE.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID IMPACTING THE WATER AND SANITARY SEWER LINES WHEN CONSTRUCTING THE PROPOSED FOUNDATION IN THE SOUTHEAST QUADRANT.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE. FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 (SOLOMONS ISLAND ROAD) AT
SERVICE ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE OCTOBER 1999 CONTRACT NO. AA5305170R

DESIGNED BY MML COUNTY ANNE ARUNDEL
DRAWN BY MML LOGMILE 02000217.50
CHECKED BY MML T.I.M.S. NO. K010
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-3891-C OF SHEET NO. OF

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

GEOMETRIC LEGEND

—	EXISTING
==	PROPOSED

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
1. ADDED EASTBOUND DOUBLE RIGHT-ADJUSTED SIDE STREET LANE USE & BWS96482 11/2/00
2. ADD OPTICOM PRE-EMPTION 05-20-04
3. SIGNAL MODIFICATION DUE TO ADDITION OF WEST LEG BWS96482 11-22-02

PLOTTED: MONDAY, NOVEMBER 30, 2009 AT 03:51 PM